We Claim:

1. A fabric for use in safety apparel, comprising:

modacrylic fibers and stainless steel fibers.

- (a) a first set of yarns comprising modacrylic fibers;
- (b) a second set of yarns comprising anti-static fibers; and
- (b) wherein, the fabric meets the Federal Test Method Standard 191A,
 Method 5931 for electrostatic decay, and the Electrostatic Discharge
 Association Advisory ADV11.2-1995 voltage potential.
 - 2. The fabric of Claim 1 wherein said anti-static fibers are stainless steel fibers.
- 3. The fabric of Claim 1 wherein the second set of yarns comprise a blend of
- 4. The fabric of Claim 3 wherein the second set of yarns comprise about 20percent stainless steel fibers.
 - 5. The fabric of Claim 1 wherein the first set of yarns further comprise high energy absorptive fibers.
- 20 6. The fabric of Claim 1 wherein the fabric comprises at least about 1 percent anti-static yarns.
 - 7. The fabric of Claim 1 wherein the first and second set of yarns comprise at least about 85 percent of the fabric.

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8. The fabric of Claim 1 further comprising a dye applied to said fabric, wherein when the dye is applied to said fabric, the dyed fabric meets the American National Standard Institute standard ANSI/ISEA-107 minimum conspicuity level class requirements for occupational activities for high-visibility safety apparel.

- 9. The fabric of Claim 5 wherein said modacrylic fibers and said high energy absorptive fibers are intimately blended staple fibers.
- The fabric of Claim 5 wherein the fabric meets the American Society for
 Testing and Materials standard ASTM F-1506 for flame resistance.
 - 11. The fabric of Claim 1 wherein said fabric is woven.
- 12. The fabric of Claim 5 wherein said yarn comprises between about 70 percent
 15 and 97 percent modacrylic fibers and between about 3 percent and 30 percent high
 energy absorptive fibers.
- 13. The fabric of Claim 9 wherein said blend of fibers comprises between about
 90 percent and 97 percent modacrylic fibers and at least about 3 percent high energy
 20 absorptive fibers.
 - 14. The fabric of Claim 1 wherein said modacrylic fibers contain at least 50 percent acrylonitrile.

- 15. The fabric of Claim 1 wherein said modacrylic fibers have a tenacity of at least about 2 grams/denier.
- 16. The fabric of Claim 5 wherein the high energy absorptive fibers are aramid.

- 17. The fabric of Claim 16 wherein the aramid is formed from poly-paraphenylene terephthalamide.
- 18. The fabric of Claim 5 wherein the high energy absorptive fibers are selected10 from the group of fibers consisting of meta-aramids and para-aramids.
 - 19. The fabric of Claim 5 wherein said high energy absorptive fibers have a tenacity of at least about 4 grams/denier.
- 15 20. The fabric of Claim 11 wherein said woven fabric has a tensile strength of at least about 100 pounds in the warp direction and at least about 100 pounds in the weft direction.
- 21. The fabric of Claim 11 wherein said woven fabric has a tear resistance of at20 least about 1360 grams.
 - 22. The fabric of Claim 11 wherein said woven fabric comprises anti-static fibers in both the warp and fill directions.

- 23. A safety garment having high visibility and flame resistant characteristics formed from:
- (a) a fabric comprising a first set of yarns and a second set of yarns;
- (b) the first set of yarns comprising modacrylic fibers;
- 5 (c) the second set of yarns comprising anti-static fibers; and
 - (d) wherein, the fabric meets the Federal Test Method Standard 191A, Method 5931 for electrostatic decay, and the Electrostatic Discharge Association Advisory ADV11.2-1995 for voltage potential.
- 10 24. The safety garment of Claim 23 wherein said anti-static fibers are stainless steel fibers.
 - 25. The safety garment of Claim 22 wherein the second set of yarns comprise a blend of modacrylic fibers and stainless steel fibers.

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- 26. The safety garment of Claim 25 wherein the second set of yarn ends comprises about 20 percent stainless steel fibers.
- 27. The safety garment of Claim 23 wherein said yarns further comprise high energy absorptive fibers.
 - 28. The safety garment of Claim 23 further comprising a dye applied to said fabric, wherein when the dye is applied to said fabric, the dyed fabric meets the American National Standard Institute standard ANSI/ISEA-107 minimum conspicuity level class requirements for occupational activities for high-visibility safety apparel.

- 29. The safety garment of Claim 27 wherein the fabric meets the American Society for Testing and Materials standard ASTM F-1506 for flame resistance.
- 5 30. The safety garment of Claim 27 wherein said modacrylic fibers and said high energy absorptive fibers are intimately blended staple fibers.
 - 31. The safety garment of Claim 23 wherein said fabric is woven.
- 10 32. The safety garment of Claim 23 wherein said yarn comprises at least about 70 percent modacrylic fibers and at least about 3 percent high energy absorptive fibers.
- 33. The safety garment of Claim 25 wherein said blend of fibers comprises
 between about 90 percent and 97 percent modacrylic fibers and at least about 3
 percent high energy absorptive fibers.
 - 34. The safety garment of Claim 23 wherein said modacrylic fibers contain at least 50 percent acrylonitrile.
- 20 35. The safety garment of Claim 23 wherein said modacrylic fibers have a tenacity of at least about 2 grams/denier.
 - 36. The safety garment of Claim 27 wherein the high energy absorptive fibers are aramid.

- 37. The safety garment of Claim 36 wherein the aramid is formed from polyparaphenylene terephthalamide.
- 38. The safety garment of Claim 27 wherein the high energy absorptive fibers are selected from the group of fibers consisting of meta-aramids and para-aramids.
 - 39. The safety garment of Claim 27 wherein said high energy absorptive fibers have a tenacity of at least about 4 grams/denier.
- 10 40. The safety garment of Claim 31 wherein said woven fabric has a tensile strength of at least about 100 pounds in the warp direction and at least about 100 pounds in the weft direction.
- 41. The safety garment of Claim 31 wherein said woven fabric has a tear resistance of at least about 1360 grams.
 - 42. The safety garment of Claim 31 wherein said woven fabric comprises antistatic fibers in both the warp and fill directions.